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Sheet 1 of 6



<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 421/117 PCT/US	Serial No. 10/572,764
List of Documents Cited by Applicant			
		Applicant(s): DeSimone et al.	
		Filing Date: March 21, 2006	Group: Unknown

### U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing date if Appropriate
	A	US 5,593,130	1-14-1997		251	061.100	03-06-1996
	B	US 6,015,609	1-18-2000	Hassan Chaouk	428	308.400	05-10-1999
	C	US 6,183,829	2-06-2001	Jeffrey Lawrence Daecher	428	064.100	11-02-1998
	D	US 6,280,808	8-28-2001	Steven David Fields	428	064.100	05-25-1999
	E	US 6,335,224	1-01-2002	Kenneth Peterson	438	114	05-16-2000
	F	US 6,408,878	06-25-2002	Marc Unger	137	597	02-28-2001
	G	US 6,451,403	09-17-2002	Jeffrey Daecher	428	064.100	11-27-2000
	H	US 6,508,988	01-21-2003	R. Van Dam	422	102	10-03-2000
	I	US 6,686,184	02-03-2004	Janelle Anderson	435	174	05-25-2000
	J	US 6,705,357	03-16-2004	Noo Jeon	141	009	09-18-2001
	K	US 6,719,868	04-13-2004	Olivier Schueller	156	272.600	10-22-1999

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	L	US 6,767,706	07-27-2004	Stephen Quake	435	006	06-05-2001	
	M	US 6,793,753	09-21-2004	Marc Unger	156	155	02-28-2001	
	N	US 6,841,079	01-11-2005	Timothy Dunbar	216	002	05-31-2002	
	O	US 6,844,623	01-18-2005	Kenneth Peterson	257	723	09-18-2001	
	P	US 6,929,030	08-16-2005	Marc Unger	137	883	11-28-2001	
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	R	US 7,040,338	05-09-2006	Marc Unger	251	129.010	02-28-2001	
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	T	US2005/0048581	03-03-2005	Daniel Chiu	435	007.200	08-25-2004	
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	V	US2006/0009805	01-12-2006	Ralph Jensen	607	054	04-26-2005	
	W	US2006/0021533	02-02-2006	Albert Jeans	101	327	07-30-2004	
	X	US2006/0022131	02-02-2006	Hiromasa Tojo	250	288	09-02-2005	
	Y	US2006/0077221	04-13-2006	Karthik Vaideeswaran	347	020	11-17-2005	
	Z	US2007/0012891	01-18-2007	George Maltezos	264		12-07-2005	

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<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Name of Patentee or Applicant	Translation Yes   No	
	AA	WO1991/016966	11/14/1991	WIPO	Pharmacia Biosensor AB		
	AB	WO1998/007069	02/19/1998	WIPO	The Regents of the University of Michigan		
	AC	WO2002/029397	4/11/2002	WIPO	E.I. Dupont de Nemours and Company		
	AD	WO2002/053290	07/11/2002	WIPO	President and Fellows of Harvard College		
	AE	WO2002/093125	11/21/2002	WIPO	President and Fellows of Harvard College		
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	AG	WO2003/015890	02/27/2003	WIPO	President and Fellows of Harvard College		
	AH	WO2003/101888	12/11/2003	WIPO	3M Innovative Properties Company		
	AI	WO2004/002627	01/08/2004	WIPO	President and Fellows of Harvard College		
	AJ	WO2004/022233	03/18/2004	WIPO	Epigem Limited		

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	AK	WO2004/074818	09/02/2004	WIPO	Biotrove, Inc.		
	AL	WO2004/079364	09/16/2004	WIPO	Tojo, Hiromasa		
	AM	WO2004/084402	09/30/2004	WIPO	Aktiebolaget SKF		
	AN	WO2005/028108	03/31/2004	WIPO	Eksigent Technologies, LLC		
	AO	WO2005/046997	05/26/2005	WIPO	Lexmark International, Inc.		
	AP	WO2005/060748	07/07/2005	WIPO	Valent Biosciences Corporation		
	AQ	WO2006/071470	07/06/2006	WIPO	California Institute of Technology; Fluidigm Corporation; The Regents of the University of California; Siemens Corporation		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	Quake et al. <i>From micro- to nanofabrication with soft materials.</i> <i>Science</i> , Vol. 290, (2000), pp. 1536-1540					
	AS	Becker et al. <i>Polymer microfabrication methods for microfluidic analytical applications.</i> <i>Electrophoresis</i> , Vol. 21, (2000), pp.12-26					

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	AT	Unger et al. <i>Monolithic microfabricated valves and pumps by multilayer soft lithography.</i> <i>Science</i> , Vol. 288, (2000), pp.113-116	
	AU	McDonald et al. <i>Poly(dimethylsiloxane) as a material for fabricating microfluidic devices.</i> <i>Accounts of Chemical Research</i> , Vol. 35, no. 7, (2002), pp. 491-499	
	AV	Hansen et al. <i>Microfluidics in structural biology: smaller, faster... better.</i> <i>Current Opinion in Structural Biology</i> , Vol. 13, (2003), pp. 538-544	
	AW	Xia et al. <i>Soft lithography.</i> <i>Angewandte Chemie International Edition</i> , Vol. 37, (1998), pp. 550-575	
	AX	Dittrich et al. <i>Lab-on-a-chip: microfluidics in drug discovery.</i> <i>Nature</i> , Vol. 5, (2006), pp. 210-218	
	AY	Duffy et al. <i>Rapid prototyping of microfluidic systems in poly(dimethylsiloxane).</i> <i>Analytical Chemistry</i> , Vol. 70, (1998), pp. 4974-4984	
	AZ	Thorsen et al. <i>Microfluidic large-scale integration.</i> <i>Science</i> , Vol. 298, (2002), pp. 580-584	
	BA	Lee et al. <i>Solvent compatibility of poly(dimethylsiloxane)-based microfluidic devices.</i> <i>Analytical Chemistry</i> , Vol. 75, no. 23, (2003), pp. 6544-6554	

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	BB	Gu et al. <i>Computerized microfluidic cell culture using elastomeric channels and Braille displays.</i> <i>Proceedings of the National Academy of Sciences of USA</i> , Vol. 101, no. 45, (2004), pp. 15861-15866	
	BC	Rolland et al. <i>Solvent-resistant photocurable "liquid teflon" for microfluidic device fabrication.</i> <i>Journal of American Chemical Society</i> , Vol. 126, no. 8, (2004), pp. 2322-2323	

EXAMINER /William Phillip Fletcher III/ DATE CONSIDERED 08/14/2011

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